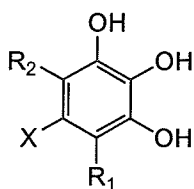
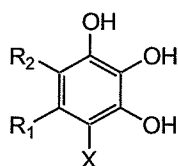


Listing of Claims:

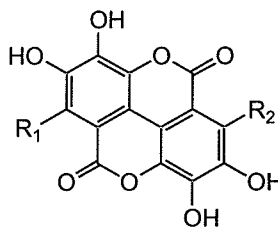
1. (Currently amended) A method of treating Alzheimer's disease, in a mammal suffering there from, comprising administration to the mammal of a therapeutically effective amount of an isolated pure compound selected from the group consisting of the compounds of formula A, formula B, and formula D:



Formula A



Formula B



Formula D

where:

R₁ and R₂ are independently selected from hydrogen, halogen, C₁₋₆ alkyl and C₁₋₆ alkoxy;

X is selected from hydrogen and the group consisting of

- (a) hydroxy, amino, C₁₋₆ alkylamino, di(C₁₋₆ alkyl)amino, and cycloamino,
- (b) C₁₋₂₂ alkyl, C₁₋₂₂ alkoxy, C₁₋₂₂ alkylthio, and C₁₋₂₂ alkylcarboxyl, each optionally substituted with 1 to 5 moieties selected from the group consisting of halogen, hydroxy, mercapto, amino, nitro, C₁₋₆ alkoxy, C₁₋₆ alkylthio, and C₁₋₆ alkylcarboxyl,
- (c) aromatic and heteroaromatic groups substituted with 3 adjacent hydroxy groups, and optionally substituted with 1 to 5 substituents selected from halogen, C₁₋₆ alkyl and C₁₋₆ alkoxy, each optionally substituted with up to 5 halogen atoms,
- (d) sugars, optionally substituted with one or more anionic groups selected from sulfate, phosphate, phosphonate, carboxylate, and sulfonate groups, and
- (e) peptides and

~~Y is hydrogen, hydroxy, C₁₋₆ alkoxy, benzyloxy, where the phenyl group is optionally substituted with 1 to 3 substituents selected from halo and C₁₋₆ alkyl, or -OSO₂R₄, where R₄ is C₁₋₆ alkyl or phenyl optionally substituted with 1 to 3 substituents selected from halo and C₁₋₆ alkyl; and the group of compounds consisting of acacetin, actinorhodine, alizarin, alizarin blue, alizarin orange, alizarinsulfonic acid, alkannin, anthragallol, anthralin, anthrarobin, anthrarufin, apigenin,~~

~~apigetrin, apiose, baicalein, baptigenin, 1,2,4-benzenetriol, bostrycoidin, carbidopa, carminic acid, carubiein, cellobiose, centaurein, chloranilic acid, chondrosine, chromotrope 2B, chromotropic acid, chrysamminic acid, chrysarobin, chrysin, chrysophanic acid, eichorin, eitrazinic acid, citromycesin, collinomycesin, curvularin, cyanidin, cyanidin 3-glucoside, cyanidin 3-rhamnoglucoside, cyanidin 3,5-diglucoside, cyanidin 3-sophoroside, daphnetin, datiscetin, daunorubicin, delphinidin, deoxyepinephrine, diosmetin, diosmin, dioxethedrine, dopa, dopamine, doxorubicin, droxidopa, echinochrome A, embelin, emodin, ergoflavin, eriodictyol, esculetin, fenoldopam, fomecin A, fomecin B, fraxetin, fraxin, fredericamycin A, fumigatin, fusarubin, fuscine, fustin, galangin, gallein, galloeyanine, gardenin A, gardenin B, gardenin C, gardenin D, gardenin E, gentisin, granaticin, guamecycline, hematein, hydroxysophorobioside, hydroxysophoricoside, icariin, isoquercitrin, kermesic acid, laecaic acid A, laecaic acid B, laecaic acid C, laecaic acid D, leucocyanidin, luteolin, maelurin, menogaril, methylenedigallie acid, morin, oosporein, phenicin, phloroglucide, puberulic acid, puberulonic acid, purpurin, purpureogallin, quereetagetin, quereimritrin, quinalizarin, quinic acid, resistomycesin, rhamnetin, rhein, rhodizonic acid, rhodomycin A, rhodomycin B, robinin, ruberythric acid, rufigallol, rutin, scutellarein, tannic acid, tetroquinone, tiron, troxerutin, and tunicchrome B1, but excluding pyrogallol, and~~

the pharmaceutically acceptable salts thereof.

2. (Previously presented) The method of Claim 1 where only one active ingredient compound is administered.
3. (Previously presented) The method of Claim 1 where the mammal is a human.
- 4-16. (Canceled).
17. (Previously presented) The method of Claim 1 where R₁ and R₂ are independently selected from the group consisting of hydrogen; C₁₋₆ alkyl, C₁₋₆ alkoxy, and C₁₋₆ alkylthio, in each of which the alkyl group is optionally substituted with 1 to 5 halogen atoms; and halo.
18. (Previously presented) The method of Claim 1 where X is selected from hydrogen and the group consisting of
 - (a) hydroxy, amino, C₁₋₆ alkylamino, di(C₁₋₆ alkyl)amino, and cycloamino,
 - (b) C₁₋₂₂ alkyl, C₁₋₂₂ alkoxy, C₁₋₂₂ alkylthio, and C₁₋₂₂ alkylcarboxyl, each optionally substituted with 1 to 5 moieties selected from the group consisting of halogen, hydroxy, mercapto, amino, nitro, C₁₋₆ alkoxy, C₁₋₆ alkylthio, and C₁₋₆ alkylcarboxyl, and

(c) aromatic and heteroaromatic groups substituted with 3 adjacent hydroxy groups, and optionally substituted with 1 to 5 substituents selected from halogen, C₁₋₆ alkyl and C₁₋₆ alkoxy, each optionally substituted with up to 5 halogen atoms.

19. (Previously presented) The method of Claim 1 where X is selected from hydrogen and the group consisting of hydroxyl and amino.

20. (Canceled)

21. (Previously presented) The method of Claim 1 where the compound is a compound of formula A or formula B, or a pharmaceutically acceptable salt thereof.

22-24. (Canceled)

25. (Previously presented) The method of Claim 1 where the compound is a compound of formula D or a pharmaceutically acceptable salt thereof.

26. (Canceled)

27-28. (Canceled)

29. (Canceled)

30. (Canceled)